

U.S. Serial No.: 10/563,507
Docket No.: 26281-14A

Examiner: J. Goodrow
Art Unit: 1795

REMARKS

Claims 1-2, 4-8, 10-12 and 14 are currently pending in the instant application. Claims 1, 4, and 14 have been amended and claims 3, 9 and 13 have been canceled. No new matter is believed to have been added by virtue of these amendments.

Firstly, Applicant notes that the I/O values of the electron transport agent and the binding resin are a well known parameter and can be easily measured, for example by the description set forth in paragraphs ¶¶[0027]-[0047]. In addition, the I/O value has a specific meaning as the constitutional factor as shown in Figures 2 through 4 and Figure 7. In addition, claim 1 has been amended to affirmatively recite the binder structure (1) and the molecular weight of the hole transport agent in order to more clearly define the invention over the prior art of record.

Claims 1-14 stand rejected under 35 U.S.C. § 102(b) as allegedly being anticipated by U.S. Patent Publication No. 2002/0159804 (hereinafter "the '804 publication"), U.S. Patent No. 6,593,047 (hereinafter "the '047 patent"), and U.S. Patent Publication No. 2002/0055119 (hereinafter "the '119 patent"), all to Azuma et al.

Applicant respectfully submits that the technical field and the features of the present invention are much different from those described in the '804 publication. In particular, the present invention relates to the elution problems, etc. of the conventional technique and restricts the type of the photoconductor, the I/O values of the electron transport agent and the binding resin, the molecular weight of the hole transport agent and the like.

For example, the I/O value of the electron transport agent can critically affect the elution quantity of the hole transport agent as demonstrated in Figure 2 of the present invention and the I/O value of the binding resin can critically affect the elution quantity of the hole transport agent as shown in Figure 7. In addition, the elution quantity of the hole

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AUG 27 2008

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transport agent can critically affect the light potential change of the wet-developing photoconductor as shown in Figure 3 of the present invention and the ratio between the I/O values of the electron transport agent and the binding resin can critically affect the elution quantity of the hole transport agent as shown in Figure 4 of the present invention.

In contrast, the '804 publication does not provide any information regarding the wet-developing photoconductor, the I/O values of the electron transport agent and the binding resin, the molecular weight of the hole transport agent and the elution problem, which are described and claimed in the present invention. Furthermore, the I/O values for Resin 1 and Resin 2 of the '804 publication can each be calculated to be 0.35, which is outside the claimed range of the invention. For all of these reasons, Applicant respectfully submits that none of the claims of the present invention are anticipated by or rendered obvious in view of the '804 publication and notice to that effect is earnestly solicited.

With respect to the '047 patent and the '119 publication, the technical field and features of the present invention are very different from those described in these references. In particular, there is no reference to the wet-developing photoconductor, the I/O values of the electron transport agent and the binding resin, the molecular weight of the hole transport agent and the elution problems in either the '047 patent or the '119 publication. In addition, the I/O values for Resin 1 to Resin 3 of the '047 patent and the '119 publication can be calculated to be 0.35, 0.35, and 0.33 respectively which are out of the range described and claimed in the present invention.

Furthermore, it is essential to use the polycarbonate resin incorporating the specific polysiloxane unit for obtaining the good wear resistance in the '047 patent and the '119 publication which is different from the invention described and claimed in the present invention.

For all of these reasons, Applicant respectfully submits that the technical field and features of the present invention are much different from those of the '047 patent and the

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Docket No.: 26281-14AExaminer: J. Goodrow
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'119 publication and that therefore none of the claims of the present invention are anticipated or rendered by these references and notice to that effect is earnestly solicited.

CONCLUSION

Applicant believes that the foregoing is a full and complete response to the Office action of record. Accordingly, an early and favorable reconsideration of the rejection of the claims is requested. Applicants believe that claims 1-2, 4-8, 10-12 and 14 are now in condition for allowance and an indication of allowability and an early Notice of Allowance of all of the claims is respectfully requested.

If Examiner feels that a telephonic interview would be helpful, he is requested to call the undersigned at (203) 575-2629 prior to issuance of the next Office action.

Respectfully submitted,

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